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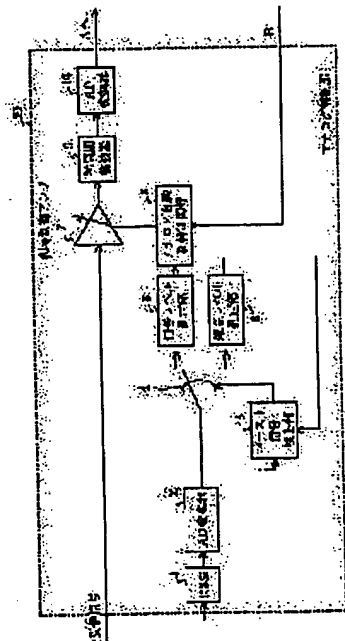
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(54) AUTOMATIC GAIN CONTROL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an automatic gain control device that attains gain control with high precision at high-speed at the head of an OFDM modulation wave burst signal.

SOLUTION: An analog control section 20 controls the gain of an analog gain controlled amplifier 7 in response to a reception level detected by an RSSI(Received Signal Strength Indicator) 1 on the opportunity of detection of a burst signal. The analog control section 20 uses the correlation of a sampled received signal calculated for OFDM symbol synchronization to realize highly precision gain control through digital signal processing.



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